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The Center for Educational Performance and Information (CEPI), in coordination with other state departments (e.g., Michigan Department of Education, Michigan Department of Labor and Economic Growth, Michigan Department of Corrections, Michigan Department of Community Health, etc.) and our vendor, Compuware, are continuing to work together to develop the Michigan Student Data System (MSDS) as the new application your district will use for state and federal student data reporting. Data collected in this system are vital to your district's success; No Child Left Behind (NCLB) reports, Adequate Yearly Progress (AYP), eligibility for federal programs, and state aid payments will all be derived from data collected by the system. In addition, the School Code Master (SCM) is being rewritten, which will allow your student data submissions to more accurately reflect the sharing of resources by, and relationships between, districts.

Michigan Student Data System Update

In a previous update on March 27, 2008, a preliminary deployment schedule was presented. In the sections below, you will find an updated release schedule for the first phase of deployment (Phase I), as well as a high-level schedule for implementation. Also, CEPI is maintaining a new Web page with information and documentation specifically for our projects under development:

http://www.michigan.gov/cepi/0,1607,7-113-986_50502---,00.html.

Phase I Development

Timeline

- User Acceptance Testing
 - August-September 2008 – state and local stakeholders who have a vested interest in this project will perform testing and provide feedback for any further development of the application.
- Pilot Testing
 - September 2008 – feedback from the User Acceptance Testing will be incorporated into the system and prior to launch, a user review of the application will be completed.
- Training
 - September 2008 – two training sessions and a webinar for end users and intermediate school district (ISD)/local education agency (LEA) trainers will be provided. In addition, CEPI will present the new system at the Michigan Pupil Accounting and Attendance Association (MPAAA) fall conferences in both Bay City and Escanaba.
 - October 2008 – Web-based training will be available.
- Launch
 - October 4, 2008 – collections open for scheduled submissions; major functionality deployed,

Phase I deployment consists of the following functions:**1. Security (transition from Michigan Education Information System [MEIS] to Tivoli*)**

User authentication for the MSDS will be handled by Tivoli instead of MEIS. The state is working with Compuware on the transition from MEIS to Tivoli for current SRSD authorized users. Instructions will be provided to users, as they will be required to have Tivoli accounts established prior to using the MSDS. This process will be the same as what will be required for the Educational Entity Master (EEM – the School Code Master application replacement).

*Tivoli is the tool that will handle user authentication for the MSDS and the EEM. It will allow users to maintain multiple system profiles with a single account and password. User authorization will be built into the MSDS.

2. Request for Unique Identification Code (UIC)

Each student in the state of Michigan is assigned a Unique Identification Code (UIC) for identification and tracking. (for more information on the UIC, please refer to the CEPI Web site: http://www.michigan.gov/cepi/0,1607,7-113-986_10481-92940--,00.html).

The UIC component of the MSDS will be deployed October 4, 2008, and work in conjunction with the existing Single Record Student Database (SRSD) during the 2008-2009 school year. This is a temporary solution prior to the full implementation of MSDS in 2009. A message to SRSD authorized users is being sent separately, detailing the new process for submitting and resolving UICs in this interim configuration.

NOTE: CEPI provided the extensible markup language (XML) text file specifications to local student information system (SIS) vendors in February of 2008. An update to the XML file specifications was provided on June 2, 2008, along with business rules for the collection. The files are available on the CEPI Web site at http://www.michigan.gov/cepi/0,1607,7-113-986_50502---,00.html

Phase I UIC Deployment (Fall 2008) Changes:

- Valid UICs will be required for all submitted records prior to submitting data to SRSD and MSDS. *There will no longer be a post-collection Phase I Resolution process.*
- Enhanced UIC service will be available 24/7 for obtaining and/or validating UICs. This is the Request for UIC process, which replaces the current Non-SRSD upload and also provides for UIC validation.
- Text-file formats (122-byte and 132-byte files) will continue to be accepted, along with XML, allowing for the use of a common error-check application (i.e., fall SRSD error-checks will not have to be changed at MSDS deployment).
- Secondary UICs for linked records can no longer be selected in UIC resolution. Secondary UICs will continue to be accepted on submitted records.
- Enhancements to the UIC matching process will result in fewer records that require resolution, including: using the UIC in the matching process when it is

submitted; incorporating helper fields such as local student ID, middle name/middle initial, and multiple birth order; stripping non-alpha characters from names; using first name synonyms; flipping hyphenated last names.

- A consumable UIC Web service will be available to local student information systems (SIS) vendors as an automated option for the process of obtaining UICs. This service will provide districts with the capability of obtaining UICs for students immediately upon enrollment, streamlining local processes.
- The system will display a warning message when resolving a record with a match score of lower than 50 percent.
- When presented with multiple matches (scores greater than 85 percent) for a student record, a district user will no longer be able to automatically create a new UIC. A user will be required to submit a request to create a new UIC if none of the presented UICs are correct. The request will require information to be submitted by the requestor explaining why a new UIC is required. This change is intended to reduce the proliferation of duplicate UICs.

Phase II UIC Deployment (Fall 2009) Changes:

- An online interface will be available for users to request that UICs be linked or unlinked.
- Secondary UICs will no longer be accepted for submitted records.
- Additional enhancements to the UIC matching process will result in fewer records requiring resolution, such as separating out the suffix into a separate field.
- The text file format will be discontinued, and only XML will be accepted.

3. Early Childhood

The early childhood data will no longer be required in the SRSD beginning in fall 2008. The fields will remain in the Student Record Layout as "optional" to allow local SIS vendors ample time to remove them. District staff members may submit data using either the XML upload or the online data entry interface options.

The new MSDS will correct an important timing issue by aligning data collection (October) with the typical initiation of district programs. Additionally, district users will be able to report enrollments and exits for each individual program instead of having to report students as exiting from all programs because of the current SRSD limitation. The MSDS Early Childhood collection will open in October and be open throughout the school year so that early childhood providers will have the flexibility to update their data as they change. MDE will take regularly scheduled "snapshots" of submitted data to support allocations for the Michigan School Readiness Program (MSRP).

XML specifications and business rules for this collection were distributed on June 2, 2008. The files are available on the CEPI Web site. An updated version of the XML specifications will be released shortly, with the parent information fields removed.

4. Entrance and Exit Collections (Optional)

The entrance and exit collections will open on October 4. The purpose of the optional enrollment collection is twofold: a) to update enrollment for assessment purposes, and b) to provide a mechanism for districts to obtain historical information on enrolled students.

The MSDS will correct another timing alignment issue by ensuring that the enrollment file generates an enrollment roster for assessment purposes, thus eliminating extra work on the part of district staff members. In addition, the enrollment collection will provide districts with an exciting student history reporting feature. When district authorized users submit an enrollment collection through the MSDS, they will also be able to obtain the status of newly-enrolled students who are directly certified for supplemental nutrition eligibility. In the future, the student history reporting will be expanded to include program participation data and assessment data.

The exit collection is also an optional collection for the 2008-2009 school year. The exit collection will be open throughout the school year. District staff members may submit exited students at any time in order to keep a current enrollment roster.

XML specifications and business rules for these collections were distributed on June 2, 2008. The files are available on the CEPI Web site.

Phase II Exit Collection (Fall 2009) Changes:

The exit collection will replace the fall collection of final exit statuses for summer graduates (currently in the fall SRSD). End-of-summer graduates should be reported via the Exit Collection. CEPI will take an "End-of-Summer" snapshot of final disposition (summer graduates) at the end of September, beginning with the 2009-2010 school year. The actual submission of the summer graduates can be done any time prior to the snapshot due date. This exit collection will benefit districts because they will no longer have to submit students who have graduated in the summer as part of their fall full-time equivalency (FTE) collections.

This fall snapshot will be audited according to new graduation data auditing guidelines.

5. Supplemental Nutrition Eligibility Collection

MDE and CEPI had initially intended to remove Field 31: Supplemental Nutrition Eligibility from the SRSD, as well as eligibility counts from the Michigan Electronic Grants System (MEGS) and collect the October 31 eligibility counts via the MSDS only. Because of modifications in the deployment and training schedule for MSDS, CEPI will now be collecting Supplemental Nutrition Eligibility in the fall SRSD submission for accountability reporting, subgroup identification, and poverty indicators.

We will proceed with the MSDS Supplemental Nutrition Eligibility collection for the October 31 count, to be used for Title I and Section 31a allocations. In an effort to provide additional testing capacity and minimize duplicative reporting, districts will have the following options for reporting data for the 2008-2009 school year only:

- a. Districts may pilot the new MSDS collection process by submitting XML files or doing online data entry.
 - The MSDS collection window will open on October 4 for districts to begin entering data. Data can be submitted using the XML schema or via online data entry within the MSDS. District users will have until December 31 to certify their supplemental nutrition eligibility data. If districts choose to do so, they can delete their MSDS supplemental nutrition eligibility data prior to November 13, and proceed with the SRSD pre-population option (option b below).
- b. Districts may choose to have the MSDS pre-populated with the SRSD supplemental nutrition eligibility collection data and make modifications.
 - Districts that choose not to utilize the MSDS upload/data entry functions will have their SRSD supplemental nutrition eligibility data loaded into the MSDS on their behalf. Any districts that do not have this data in the MSDS staging area as of November 13 (after SRSD closes) will have the data pre-populated for them. After that point, districts will have until December 31 to validate the data, make additions/deletions as needed, and certify their data.

XML specifications and business rules for these collections were distributed on June 2, 2008. The files are available on the CEPI Web site.

Phase II Supplemental Nutrition Eligibility Collection (Fall 2009) Changes:

In 2009, we will proceed with a full deployment of the MSDS Supplemental Nutrition Eligibility collection, which will require a mid-November certification. This single data set will be used for subgroup identification, accountability, and allocations.

6. Migrant Curriculum Collection

Michigan is required to comply with federal regulations mandating that a migrant student's course enrollment be submitted to the federal Migrant Student Information Exchange (MSIX) system within ten days of a student's entry within a district, and that course history be submitted within ten days of a student exiting a district. To comply, a district's authorized user must submit the curriculum for migrant students to the MSDS. MDE will query the MSDS course history data on a daily basis, combine these data with Migrant Education Database System (MEDS) data, and submit to MSIX. This system enables a receiving district in any state to view a migrant student's course history. This collection will remain open for the entire school year, and will operate as a transactional system, accepting both XML files and online entry. The deployment for this collection within the MSDS is scheduled for December 31, 2008, at which time districts will be expected to enter data on migrant students beginning with the start of the 2008-2009 school year.

XML specifications and business rules for this collection were distributed on June 2, 2008. The files are available on the CEPI Web site. The current business rules are being modified to ensure that enrollment data are correctly reported; however, this will not change the current XML schema. More information on the business rules will be forthcoming.

7. Special Education Pilot

CEPI and MDE are removing the periodic "December 1" count for federal special education reporting from the Michigan Compliance Information System (MICIS) and integrating it into the MSDS. Both MICIS daily student management users and non-MICIS users will submit their December 1 count data directly via the MSDS. This process will allow district staff members to update any data that they submitted as part of the fall collection, and will also provide validation checks to ensure that data reported in the fall are consistent with that reported in December – (e.g., race/ethnicity consistency). The MSDS will also provide reports that enable district users to examine their data prior to certification. Once the data have been certified, CEPI will transfer data to the MICIS application to produce special education-specific reports (e.g., data profiles).

For the 2008-2009 school year, data will continue to be reported through the MICIS system. The state will process data submitted via MICIS through the MSDS for testing, and anticipate piloting the MSDS collection in the spring prior to a full deployment for the December 2009 count.

8. Direct Certification Enhancements

The direct certification reports will remain within the SRSD for the current school year, with a full roll over into the MSDS in the summer of 2009. Additional enhancements to the certification process that are being developed include the following:

- Student search: This function will enable a district authorized user to search for a student's direct certification status after the student has enrolled. This is expected to be used as a resource for districts throughout the course of the school year to ensure that eligible incoming students are quickly identified, eliminating the need for applications if the student has already been certified by the state.
- Resolution: This function will enable district authorized users to resolve MSDS records with the Department of Human Services (DHS) food stamp files if the state was unable to automate the direct match. This improved functionality is expected to increase the number of students identified as directly certified.
- DHS file updates: Currently, CEPI receives a July 1 file from DHS. This system is being modified to enable updates throughout the course of the school year so that children who became eligible after July 1 can still be directly certified, eliminating the need for the families of these students to file applications with the districts.

Phase II Development**Timeline**

- Design and Development
 - July – December 2008
- Testing
 - Spring 2009
- Deployment
 - Full MSDS : Fall 2009

Phase II Functions include:**1. General Collections**

- The MSDS general collections will replace the current fall, spring, and end of year SRSD collections.

2. Audit Narrative

- The system will automate the audit narrative process as part of the FTE audit process. The audit narrative is currently a manual process completed by the ISD auditors.

3. Duplicate FTE Resolution

- The system will identify students who have been reported with greater than one (1) FTE on a statewide basis, providing districts with the ability to resolve these violations. The system will include an extended time frame for this resolution to occur, as well as enhanced reports for auditors to identify these students.

4. UIC Enhancements

- The system will have the capability to automate the request for linking and unlinking UICs.
- Student search information will be limited to directory information, unless the student is enrolled within the district. Drill-down capabilities will be available from the student search screen, if the student is reported as enrolled.

5. Accountable District Identification

- The system will have the ability to identify an accountable district for each student to be used for AYP and NCLB reporting. Permissions will be provided to the accountable district to act as the custodian for core demographics that impact AYP and will limit the type of core demographic changes non-accountable districts can make. A resolution process will be managed at the state.

6. Early Roster Collection

- This collection replaces the current assessment pre-ID process and will be used for the direct certification reports in combination with end-of-year data replacing the current non-SRSD process. (The pre-ID process is used for early rostering in preparation for assessments.)

7. Direct Certification

- The direct certification function will be fully encompassed within the MSDS. All advanced functions (e.g., student lookup, manual resolution) will be available in one system.

8. Special Education/Early On[®] Periodic Count Collections

- The MSDS will be the single source for reporting the special education December 1 count data and the Early On[®] June count data, replacing the MICIS periodic counts. MICIS will continue to be used by districts as a transactional system, as well as for in-depth reporting (e.g., data portraits).

9. Curriculum Collection

- Personal curriculum modification reporting requirements will be deployed, as well as requirements for complying with the Michigan Merit curriculum. More information will be made available as this area is further defined.

10. Enhanced Reporting

- The MSDS will include significant enhanced reporting, enabling districts to view reports on all data submitted. Additional roles are also being created, enabling administrators to access reports. This will replace the current reporting in the Administrator Data Review (ADR) system.
- Reports will be available for data in the staging area prior to submission, as well as for data that has been certified and submitted to the state.
- Enhanced reports include: "Missing Student Reports" – indicating those students who were reported as continuing and were not reported in a subsequent collection; "Unconfirmed Transfer Reports" – indicating those students reported as transfers who were not reported by any other district in a subsequent collection; and other reports to help manage and track students.

Additional System Improvements**Data Collection**

- District users will have two options for entering data into the system: (1) XML files or (2) online data entry.
- Authorized users will have the ability to replace, append, and delete uploaded data in a staging area prior to certification of the data for state use.
- Submitting entities will be required to certify their data – allowing for a review and final sign-off.
- Partial data sets can be saved and modified prior to certification.
- The system will not process records with errors, however good records (without errors) will continue to be processed through the system.
- All submitted data will be available for authorized users to download. This means that ISD level users with appropriate district permissions can download the data into regional warehouses.
- Data can be submitted to the MSDS by either the district or the ISD. As is stated in the State School Aid Act, the data must be submitted to the ISD within five weeks of the

count date. The MSDS will act as the submission vehicle for district compliance, meaning that an authorized user at the ISD can begin reviewing district data in the MSDS five weeks after count. Data must be certified by the district seven weeks after the count data for the general collections.

- The error check process will be Web-based, allowing for full UIC validation (ensuring the correct UIC is associated with the correct student), historical validations, and statewide duplicate FTE checks. All fields required for a collection will be checked. Any submitted fields not required for a particular collection will not be checked.
- The system will include the capacity to send notifications to authorized users based on events.

Security

- The MSDS will include additional levels of security, enabling verification of data by program areas. For example, a district can provide authorization to the special education director to review the data that is being submitted, further ensuring that data submitted to the state is accurate and complete.

Validations

- Additional validations will be built into the system, including validating entity information to the Educational Entity Master (EEM) and validating migrant information to the Migrant Education Data System (MEDS)

MSDS Collections and Crosswalk to Previous Reporting Mechanism				
Collection	Deploys	Timing	Replaces	Changes/Comments
Enrollment/Exit	October 2008	Transactional	Enrollment: Optional/New capacity Exit: New Capacity <ul style="list-style-type: none"> • Exit collection will replace the fall SRSD submission as the final collection for summer grads. 	<ul style="list-style-type: none"> • Enables districts to enroll students throughout the school year • Can obtain historical information on students as enrolled • Can do direct certification look-ups on enrolled students • Can update accountability flags for assessment and grad/drop • Enables earlier submission of exit status for summer grads
Supplemental Nutrition Count	October 2008	October 31, 2008	<ul style="list-style-type: none"> • MEGS October 31 collection • Fall SRSD 	Only report eligible students
Early Childhood	October 2008	October 31, 2008	<ul style="list-style-type: none"> • Fall SRSD • Early Childhood 	Only report students in program

MSDS Collections and Crosswalk to Previous Reporting Mechanism				
Collection	Deploys	Timing	Replaces	Changes/Comments
			surveys	
Migrant Curriculum	December 2008	Transactional	New Federal Requirement	Courses must be submitted within ten days of a migrant student's enrollment; course history must be submitted within 10 days of student exit
Fall General Spring General EOY General	Fall 2009	Fall Count Spring Count End of year	<ul style="list-style-type: none"> Fall SRSD Spring SRSD EOY SRSD MDE Homeless Survey 	<ul style="list-style-type: none"> Removal: Supplemental Nutrition (Fall) Removal: Early Childhood Submit only on programs relevant to a student Additional enhancements to be determined
Special Ed Periodic Count	December 2009	December 1, 2009 June 1, 2009	<ul style="list-style-type: none"> MICIS December 1 Count MICIS June Count 	<ul style="list-style-type: none"> Option to make changes to data submitted in Fall General Moves source system from MICIS to MSDS, which also ensures UICs are on all students reported
Early Roster	Summer 2009	Summer 2009	<ul style="list-style-type: none"> OEAA Pre-ID Non-SRSD for Direct Certification 	<ul style="list-style-type: none"> No accountability tied to submission Creates roster for assessment and for direct certification reports
MMC Curriculum	TBD	TBD	New state requirement	To be determined whether these are stand-alone collections
Personal Curriculum Modifications	TBD	TBD	New state requirement	May be collected in the general collection and optional transactional uploads